Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Sunday 30 Jul 2023 until 23:59 on Monday 31 Jul 2023

Forecast Issued on Saturday 29 Jul 2023 at 11:55

Confidence: High confidence for the continuing theme of unsettled weather. Lower for details of rain and cloud, particularly timing and extent of rain later Sunday and again Tuesday.

Headline for Sunday 30 Jul 2023: Dull start with drizzle. Briefly brighter with the odd shower, then thick cloud and heavy rain arrives from the west. Windy.

Mountain weather hazards on Sunday 30 Jul 2023

Blizzards
No Likelihood

Gales
Low Likelihood

Thunderstorms
No Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
No Likelihood

Heavy persistent rain
Medium Likelihood

Storm force winds
No Likelihood

Poor visibility
Medium Likelihood

Strong sunlight
Medium Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Dull	Drizzle	Sunny intervals	Light rain showers	Light rain	Heavy Rain	Heavy Rain
Precipitation probability							
10%	20%	30%	20%	40%	60%	80%	90%

Forecast for Sunday 30 Jul 2023

Weather: Cloud building through the early hours with some outbreaks of drizzle across western hills and then showery rain possible more widely. One or two sunny spells developing for a time late-morning, but these will be short-lived with cloud thickening from the southwest ahead of a band of rain arriving. This rain will be persistent, turning heavy at times. Slight risk of gales in exposure, especially higher routes in the west including Kinder Scout.

Chance of cloud-free hill tops above 600m: 80%, but 50% in the west Sunday morning. Reducing from the west through the afternoon to 20%, especially in the northwest.

Low cloud and visibility: Cloud bases of around 500m initially, mainly affecting slopes in the west and northwest. Cloud bases lifting above the hills during the morning with some breaks developing. Cloud thickening from the southwest, becoming widespread with bases around 300-400m by late afternoon, perhaps remaining above 600m in the east until the evening. Visibility poor or very poor in early drizzle, and moderate in showers. Good otherwise, before deteriorating to poor or very poor in rain later.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Met Office Mountain Weather Forecast

Forecast for Sunday 30 Jul 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	23/31 SW	24/33 SW	26/35 SW	27/38 W	26/38 W	23/32 W	16/22 SW	19/27 SW	23/32 SW
300	17/26 SW	17/27 SW	20/30 SW	20/30 W	20/31 W	17/27 W	11/17 SW	15/24 SW	18/28 SW
Valley	10/24 SW	11/25 SW	14/28 SW	15/31 W	17/32 W	14/27 W	7/15 SW	10/21 SW	12/26 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/6	9/5	9/5	10/6	12/8	13/9	11/8	12/9	13/9
300	12/9	12/9	12/8	13/10	16/12	15/12	13/12	14/12	15/12
Valley	13/11	12/10	12/10	14/11	16/13	16/13	14/13	14/13	15/13
Freezing Level*	2000m	1900m	2100m	2100m	2100m	2400m	2900m	3100m	2900m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Early low cloud making for challenging navigation on higher routes in the west. Conditions deteriorating through the afternoon with extensive low cloud and heavy rain accompanied by strong and gusty winds. High UV levels in any breaks, particularly towards the eastern Peaks, Sun protection is recommended.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Fri 28 Jul 2023	0.2mm	34.2mm	34.4mm

Forecast for Monday 31 Jul 2023

Weather: Overnight rain and widespread low cloud is expected to give way through Monday morning to sunny spells. Scattered showers then developing, perhaps turning locally heavy late afternoon. Rain may arrive in the north of the Peaks late on. Strong westerly or southwesterly winds gradually easing.

Maximum wind: West or southwest 15-20mph, gusts of 25-35mph. Winds easing later.

Chance of cloud-free hill tops above 600m: 40% early on, improving to 80%. Perhaps 60% in the north later.

Low cloud and visibility: Extensive low cloud with bases around 300m through the early hours. Low cloud associated with a rain band is expected to lift clear of hills and break up through Monday morning, although cloud may briefly dip around showers to cover higher tops. Cloud bases may lower to 600m if rain arrives in the north later. Visibility poor or very poor in early rain, improving good or very good. Moderate to poor visibility likely in showers and late rain.

Temperature: **Valleys:** Plus 16 Celsius rising to 20 Celsius.
At 600m: Plus 12 Celsius increasing slightly to 15 Celsius.
Freezing level: Well above summits.

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